

**CENTRAL MACHINERY**

®

# **14" FOUR SPEED WOODWORKING BANDSAW**

**Model 67595**

## **SET UP AND OPERATING INSTRUCTIONS**



Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

Copyright© 2009 by Harbor Freight Tools®. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

**For technical questions or replacement parts, please call 1-800-444-3353.**

---

# CONTENTS

---

## IMPORTANT SAFETY

### INFORMATION ..... 3

General Tool Safety Warnings .....3

Bandsaw Safety Warnings .....4

Vibration Safety .....6

### GROUNDING INSTRUCTIONS ..... 6

Grounded Tools: Tools with Three  
Prong Plugs .....6

### SPECIFICATIONS..... 8

Optional Accessories .....8

### UNPACKING ..... 8

Hardware Bag Contents .....8

### ASSEMBLY ..... 9

PHASE 1: Stand Assembly.....9

PHASE 2: Bandsaw Body to Stand  
Assembly .....11

PHASE 3: Motor to Stand Assembly ..12  
Pulley Mounting .....12

Motor Mounting.....13

PHASE 4: Motor Wiring .....14

PHASE 5: Table Assembly.....15

PHASE 6: Pulley Cover Assembly  
and Belt Installation .....16

Belt Installation .....16

Side Panel Installation.....17

PHASE 7: Upper Guide and Post  
Cover Assembly .....17

PHASE 8: Saw Blade Installation.....18

Saw Blade Tensioning and  
Tracking .....20

Guide and Bearing Adjustment .....21

### SETTINGS..... 23

Blade Guide Adjustment .....23

Table Angle Adjustment .....23

Blade Speed Adjustment.....24

ON/OFF Safety Switch: .....24

### OPERATION ..... 25

### MAINTENANCE AND SERVICING.. 26

Cleaning, Maintenance, and  
Lubrication.....26

Troubleshooting .....26

### ASSEMBLY DIAGRAMS AND

### PARTS LISTS ..... 28

Parts List A - Stand .....28

Assembly Diagram A - Stand .....29

Parts List B - Saw Body.....30

Assembly Diagram B - Saw Body.....31

Parts List C - Riser Block Kit (Sold  
Separately) .....32

Assembly Diagram and Parts List D  
- Four Speed Pulleys .....33

### LIMITED 1 YEAR / 90 DAY

### WARRANTY ..... 34

## SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

## IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### DANGER

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### WARNING

**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### CAUTION

**CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### NOTICE

**NOTICE** is used to address practices not related to personal injury.

## CAUTION

**CAUTION**, without the safety alert symbol, is used to address practices not related to personal injury.

### General Tool Safety Warnings



**WARNING** Read all safety warnings and instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
5. KEEP CHILDREN AWAY. All visitors should be kept a safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	
TABLE A				

9. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing or when changing accessories, such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **CHECK FOR DAMAGED PARTS.** Before use check carefully for damaged part. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

### **Bandsaw Safety Warnings**

1. For Your Own Safety Read Instruction Manual Before Operating Saw.
2. Wear ANSI-approved eye protection.
3. Do not remove jammed cutoff pieces until blade has stopped.



4. Maintain proper adjustment of blade tension, blade guides, and thrust bearings.
5. Adjust upper guide to just clear workpiece.
6. Hold workpiece firmly against table.
7. For safe operation, the upper blade guide, the blade tension, and the thrust bearing must all be properly adjusted before operation. Carefully follow the **ASSEMBLY** instructions, and specifically **PHASE 8: Saw Blade Installation**, for an explanation of how to make the needed adjustments.
8. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
9. When servicing use only identical replacement parts.
10. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
11. **The included motor wiring terminals are designed to reduce the risk of improper wiring; DO NOT MODIFY, REPLACE OR FORCE THE TERMINALS.**
12. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
13. Avoid unintentional starting. Prepare to begin work before turning on the tool.
14. People with pacemakers should consult their physician(s) before use. Electro-magnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
  - Avoid operating alone.
  - Do not use with power switch locked on.
  - Properly maintain and inspect to avoid electrical shock.
  - Any power cord must be properly grounded. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.
15. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead-based paints
  - Crystalline silica from bricks and cement or other masonry products
  - Arsenic and chromium from chemically treated lumber
 Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)
16. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
17. The warnings, precautions, and instructions discussed in this instruction manual

cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

### **Vibration Safety**

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. To reduce vibration, maintain the tool as explained in this manual. If any abnor-

mal vibration occurs, stop use immediately.



## **SAVE THESE INSTRUCTIONS.**

### **GROUNDING INSTRUCTIONS**

#### **⚠ WARNING**

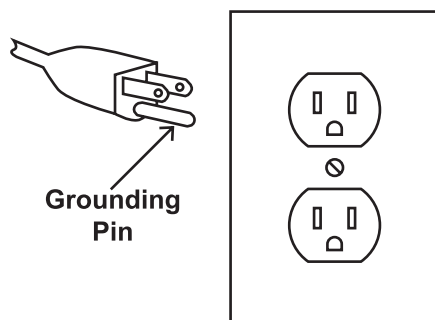


**TO PREVENT  
ELECTRIC SHOCK  
AND DEATH FROM INCORRECT  
GROUNDING WIRE  
CONNECTION  
READ AND FOLLOW THESE  
INSTRUCTIONS:**

#### **Grounded Tools: Tools with Three Prong Plugs**

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.



**125 V~ 3-Prong Plug and Outlet**  
(for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

## SPECIFICATIONS

Electrical Requirements	120 V ~ 60Hz
Amperage	8.2 A, no load
Motor	1 HP / Single Phase
Blade Speeds	600, 1140, 1670, 2670 FPM
Blade	6TPI 93-1/2" x 0.019" x 3/8"
Cutting Capacity	6"
Blade Width Range	1/8" to 3/4"
Table Dimensions	Approx. 14" x 14"
Table Tilt	45° Right / 15° Left
Dust Collector	Dust Chute Attachment Only
Accessory	(Dust Bag Not Provided)
Weight	180 lb.

## Optional Accessories

### Riser Block Kit

**Note:** Availability of these accessories may vary. Contact Harbor Freight Tools at the number at the bottom of this page for availability information.

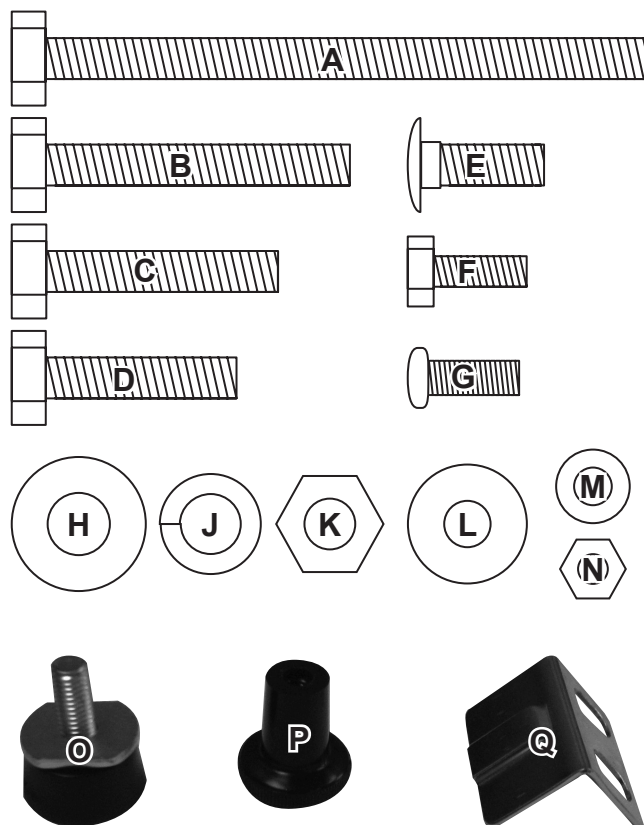
## UNPACKING

When unpacking, check to make sure all parts shown on the Parts Lists are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

Some parts are shipped with a rust preventing coating. Clean this coating off before assembly and use.

## Hardware Bag Contents

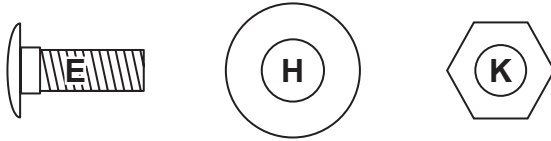
**Note:** Hardware sizes illustrated below are offered only as a guide and are approximate. Letters given below are for assembly purposes only. Part numbers on the parts lists at the end of this manual should be used for ordering parts.



Letter	Description	Phase	Qty
A	M8 x 80 Table Stop Bolt	5	1
B	M8 x 40 Bolt	2	4
C	M8 x 30 Bolt	5	2
D	M8 x 25 Bolt	3	4
E	M8 x 16 Carriage Bolt	1	24
F	M6 x 12 Bolt	6	1
G	M5 x 15 Pan Head Bolt	6	4
H	M8 Washer	1,2,3	44
J	M8 Lock Washer	2,3,5	10
K	M8 Nut	1,2,3,5	37
L	M6 Washer	6	1
M	M5 Washer	6	8
N	M5 Nut	6	4
O	Foot Assembly	1	4
P	Pulley Cover Knob	6	1
Q	Foot Bracket	1	4

## ASSEMBLY

### PHASE 1: Stand Assembly



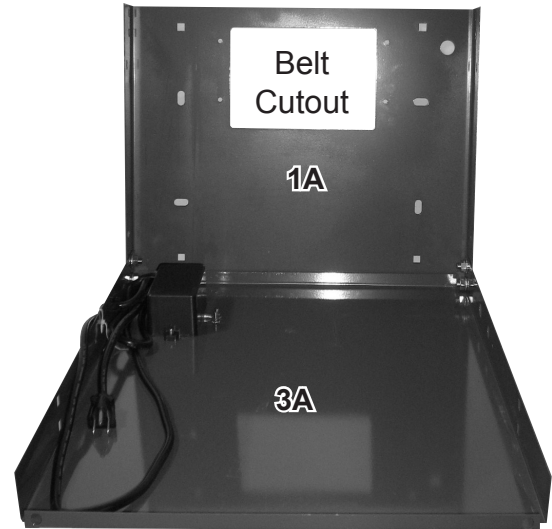
Required Hardware		
Letter	Description	Qty (for this phase)
E	M8 x 16 Carriage Bolt	24
H	M8 Washer	24
K	M8 Nut	24



Stand Part Identification		
Part	Description	Qty
1A	Mounting Plate	1
2A	Rear Panel	1
3A	Front Panel Assembly	1
7A	Horizontal Brace	2
8A	Brace	1
9A	Motor Plate Bracket	1
10A	Motor Plate	1

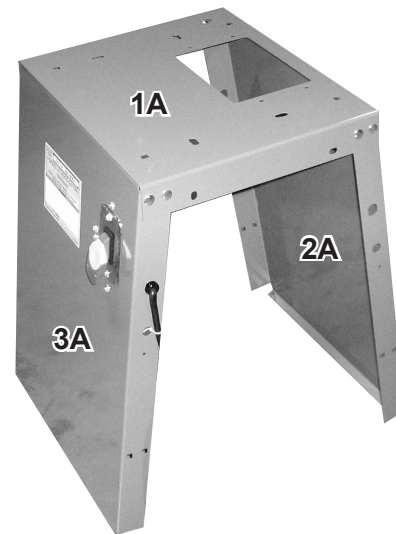
**Note:** During this phase, finger tighten all Nuts to allow adjustment and leveling. All connections in this phase are made with one Carriage Bolt (E) going through the connection from the outside then being secured with a Washer (H) and Nut (K).

FIGURE FOR STEP 1-1



1. Assemble the Mounting Plate (1A) to the four square holes at the top of the Front Panel (3A) assembly as shown above. The Mounting Plate must be turned as shown above, with the Belt Cutout hole away from the Front Panel.

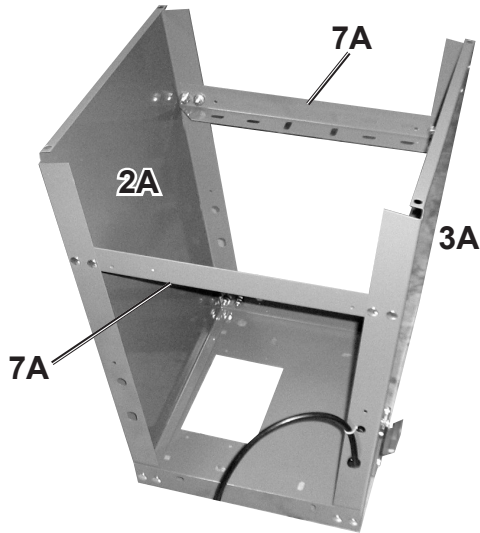
FIGURE FOR STEP 1-2



2. Assemble the Rear Panel (2A) to the Mounting Plate (1A) in the same way. The Stand should look like the illustration above (Figure 1-2).

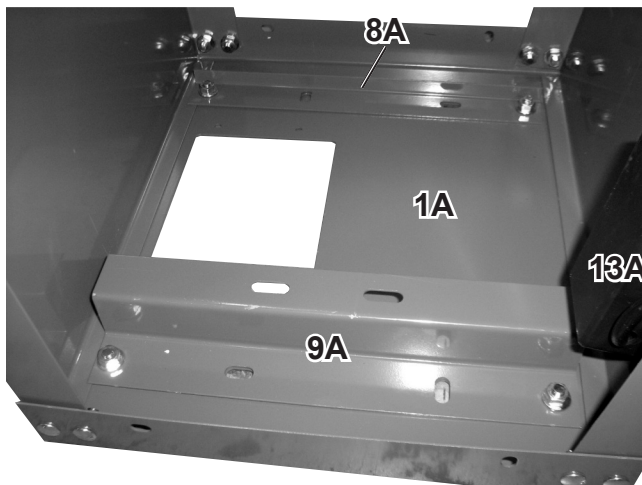


**FIGURE FOR STEP 1-3**

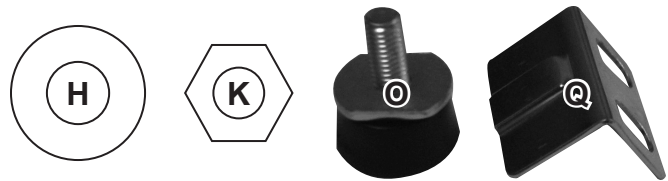


3. Attach the two Horizontal Braces (7A) inside the flanges on the Front and Rear Panels (3A, 2A).

**FIGURE FOR STEP 1-4**

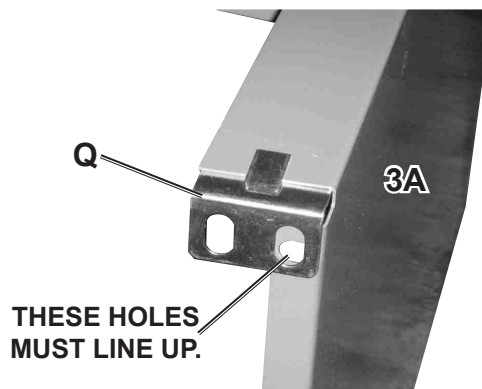


4. Attach the Motor Plate Bracket (9A) to the front of the Mounting Plate (1A) with the raised section of it towards the center. The Motor Plate Bracket (9A) should be near the Switch Cover (13A) as shown above. Attach the Brace (8A) under the Mounting Plate (1A) toward the rear as shown above (Figure 1-4).



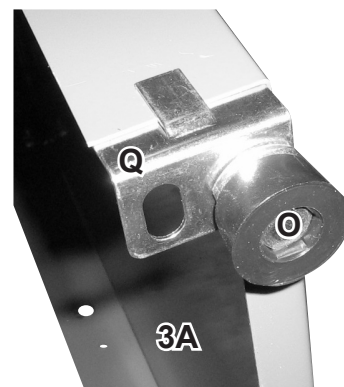
Required Hardware		
Letter	Description	Qty (for this phase)
H	M8 Washer	4
K	M8 Nut	4
O	Foot Assembly	4
Q	Foot Bracket	4

**FIGURE FOR STEP 1-5**



5. Press a Foot Bracket (Q) over each corner of the Front and Rear Panels (3A, 2A). One of the holes in the Bracket should line up with the hole in the corner of the Panel as shown.

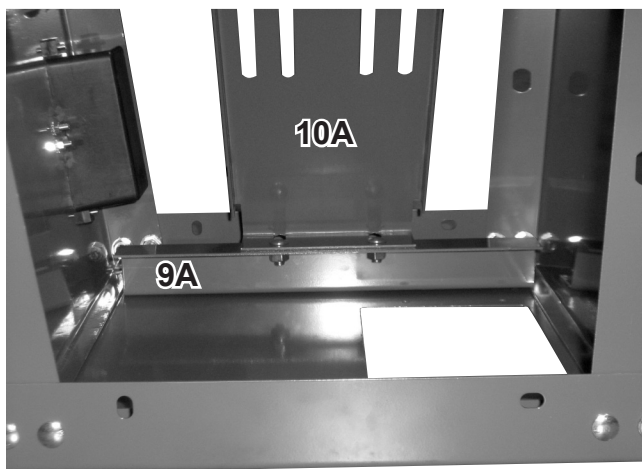
**FIGURE FOR STEP 1-6**



6. Insert a Foot Assembly (O) through each Foot Bracket (Q) and Panel (3A, 2A). Secure with Washer (H) and Nut (K).

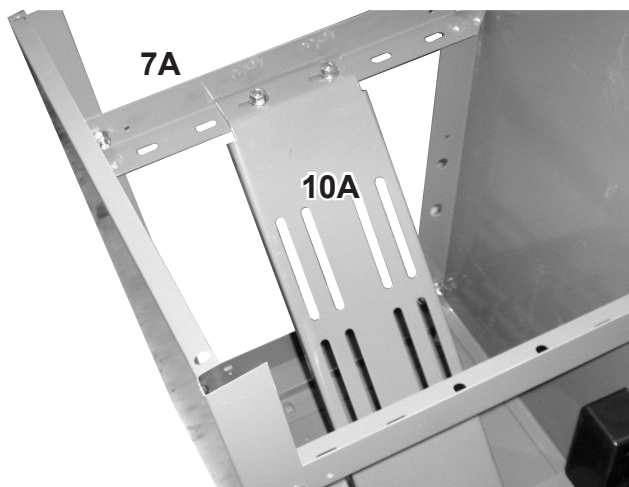


FIGURE FOR STEP 1-7



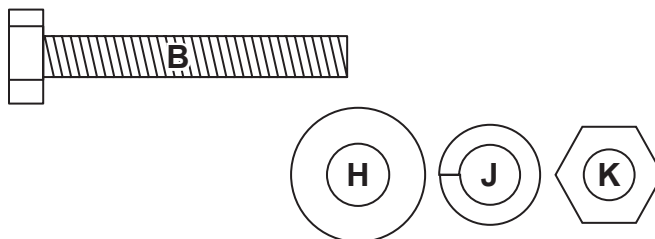
7. Attach the Motor Plate (10A) to the Motor Plate Bracket (9A). Connect the end that is folded back on itself.

FIGURE FOR STEP 1-8



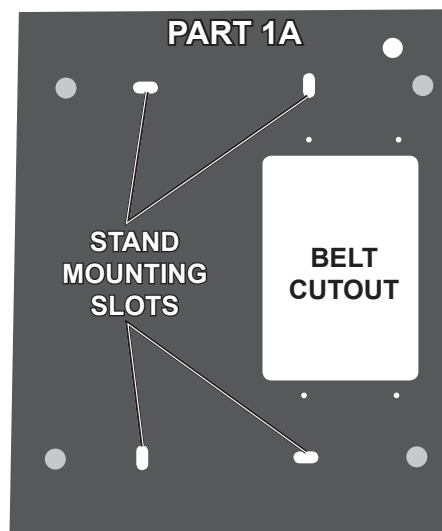
8. Attach the other end of the Motor Plate (10A) to the Horizontal Brace (7A).
9. Make sure the stand rests square on the floor and that the Mounting Plate (1A) is level. Then, **wrench tighten** all Nuts from phase 1 securely.

## PHASE 2: Bandsaw Body to Stand Assembly



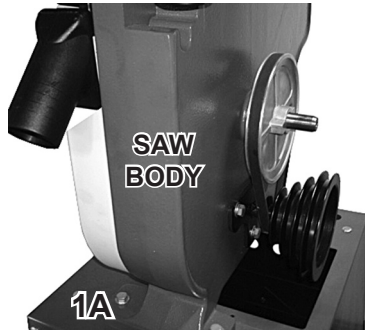
Required Hardware		
Letter	Description	Qty (for this phase)
B	M8 x 40 Bolt	4
H	M8 Washer	8
J	M8 Lock Washer	4
K	M8 Nut	4

FIGURE FOR STEP 2-1 Top View



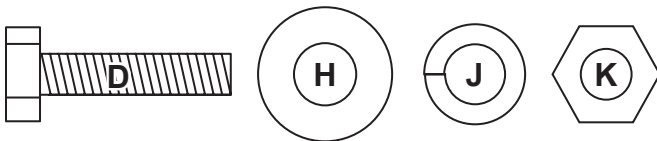
1. Orient the Saw Body with the Stand before lifting it. The Pulley(s) need to align over the belt cutout and the four bolt holes must line up with the stand mounting slots, as shown above.

**FIGURE FOR STEP 2-2**



2. With at least one assistant, lower the Bandsaw Body down on the Stand. Make sure that the holes in the Body line up with the slots in the stand (See Figure 2-1), and that the pulley lines up over the belt cutout as shown above.
3. Insert the four Bolts (B) through one Washer (H) each and into the holes in the Saw Body from the top.
4. Attach each Bolt (B) using a Washer (H), Lock Washer (J), and Nut (K). Leave the hardware only finger tight.
5. Measure to verify that the saw body is properly aligned to the stand. Make needed adjustments, then wrench tighten the hardware.

### **PHASE 3: Motor to Stand Assembly**

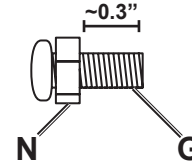


Required Hardware		
Letter	Description	Qty (for this phase)
D	M8 x 25 Bolt	4
H	M8 Washer	8
J	M8 Lock Washer	4
K	M8 Nut	4

### **Pulley Mounting**

1. Remove the tape securing the key to the shaft of the Motor (11A). Set the key aside.

**FIGURE FOR STEP 3-2**



2. The key for this saw's Motor shaft will need to be offset by about 0.3" from the end of the shaft to allow the Set Screw to function properly. To assist in this, thread a M5 Nut (N) all the way onto a M5 x 15 Pan Head Bolt (G) for temporary use as a depth gauge.

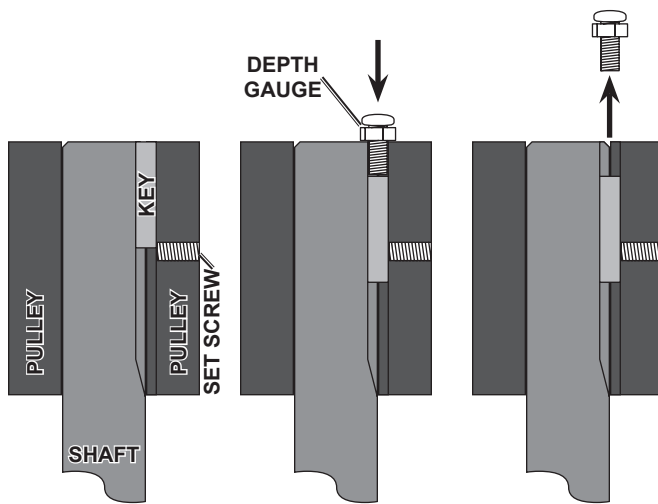
**FIGURE FOR STEP 3-3**



3. Slide the Pulley (3D) over the end of the Motor (11A) shaft, larger end first. Line up the key slots in both the Pulley and the shaft. Slide the key into the key slots. Align the end of the Pulley, key, and shaft with one another. The Pulley will need to be held in position for now.

**FIGURE FOR STEP 3-4**

(Cutaway view.)

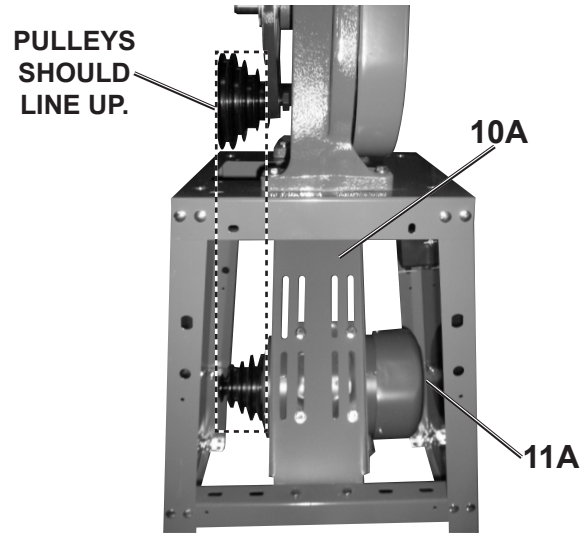


4. Hold the Pulley in place and insert the depth gauge you made in step 4-2 (Bolt (G) and Nut (N)) into the key slot, pushing the key into position. The depth gauge can now be disassembled and placed with the other hardware.
5. While holding the Pulley in place, tighten the Set Screw (10D) in the side of the Pulley to secure it to the shaft. The Pulley no longer needs to be held in place.

### **Motor Mounting**

6. Have an assistant hold the Motor (11A) in place while it is attached to the Motor Plate (10A).

**FIGURE FOR STEP 3-7**



7. There are two sets of slots on the Motor Plate (10A). Line the Motor Pulley (3D) up with the Pulley (1D) above it.
8. Insert a Bolt (D) and Washer (H) through each hole from one side, and secure the Bolt with a Washer (H), Lock Washer (J), and Nut (K). Leave the Nuts snug, but do not tighten them completely yet.
9. Remove the nylon cable tie that secured the Power Cord (14A) during shipment.

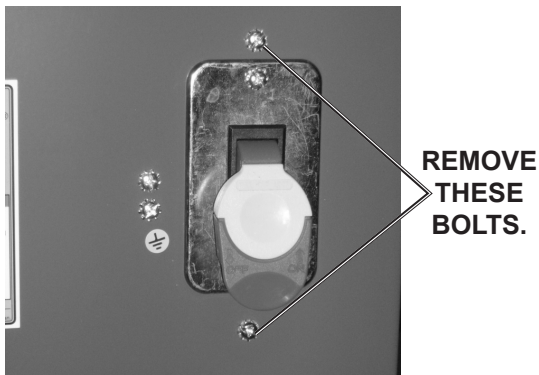
## PHASE 4: Motor Wiring

### **⚠ WARNING** TO PREVENT ELECTRIC SHOCK



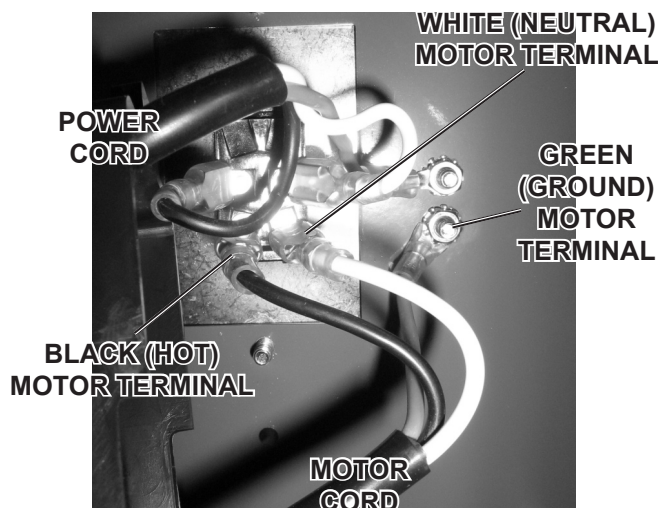
**AND DEATH:**  
Unplug power cord before opening Switch Cover (13A).

FIGURE FOR STEP 4-1



1. After the power cord is unplugged, remove the Bolts (28A) from above and below the Switch (12A) to release the Switch Cover (13A). Inside the stand, move the Switch Cover slightly to the side to allow access.
2. Insert the motor cord through the hole in the side of the Switch Cover (13A).

FIGURE FOR STEP 4-3



3. The power cord wires are already connected at the top connections (black "hot" wire, white "neutral" wire, and green

ground wire). Connect the wires from the motor underneath the wires of the same color, black with black, white with white, and green with green. (The green wire is attached to the screw to the right of the Switch (12A).)

4.



### **WARNING! TO PREVENT ELECTRIC SHOCK, FIRE AND DEATH:**



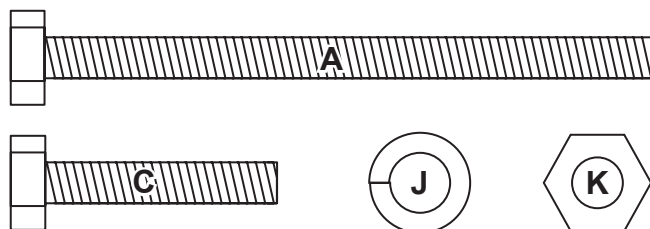
It is critical that the GREEN ground wire is attached to the terminal OUTSIDE the switch box and that ONLY the GREEN wire is attached outside the switch box. The

included terminals are designed to reduce the risk of improper wiring; **DO NOT MODIFY, REPLACE OR FORCE THE TERMINALS.**

**If you have any doubt about your ability to connect the motor wires safely and securely, have a certified electrician connect the wiring.**

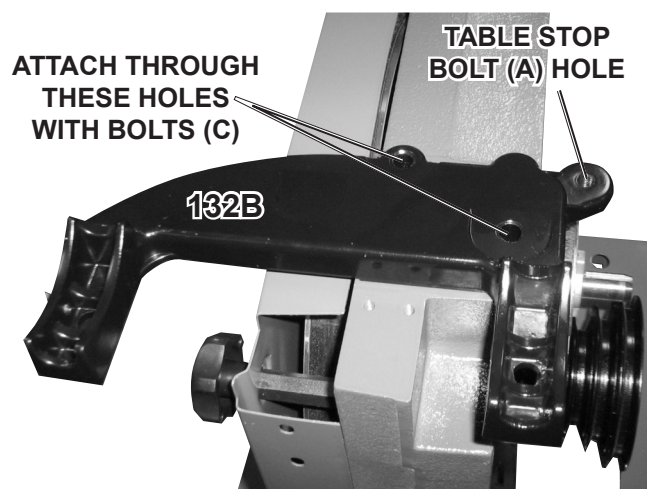
5. After the wiring is properly connected, carefully hold the Switch Cover (13A) in place and secure in place with the Bolts (28A).

## PHASE 5: Table Assembly



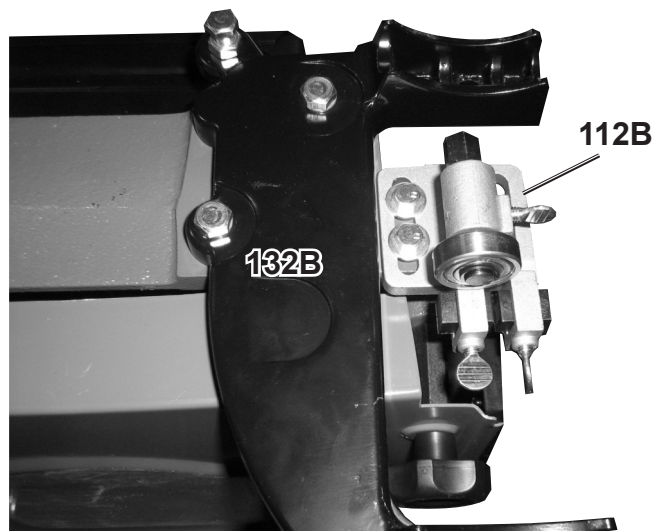
Required Hardware		
Letter	Description	Qty (for this phase)
A	M8 x 80 Table Stop Bolt	1
C	M8 x 30 Bolt	2
J	M8 Lock Washer	2
K	M8 Nut	1

FIGURE FOR STEPS 5-1 TO 5-3



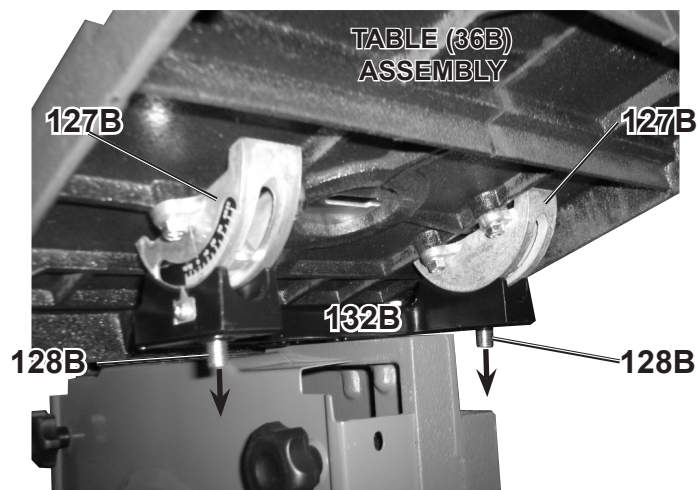
1. Set the Table Bracket (132B) onto the saw body as shown above. Note that the Table Stop bolt hole is on the side with the Pulleys. The saw body has alignment pins pre-installed to align the Table Bracket properly.
2. Secure the Table Bracket to the Saw Body using Bolts (C) and Lock Washers (J) through the holes noted above. Tighten securely in place.
3. Thread the Nut (K) onto the Table Stop Bolt (A). Install the Table Stop Bolt into the hole noted in the figure above.

FIGURE FOR STEP 5-4



4. Attach the Lower Support Bracket (112B) to the saw body near the Table Bracket (132B). Secure in place with two Bolts (119B) and Washers (120B) as shown above. The hardware for this step is packaged separately from the hardware bag.

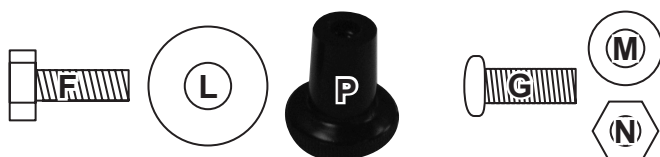
FIGURE FOR STEP 5-5



5. Locate the Table Bracket (132B). Note that there are two Bolts (128B) extending out from the bottom of the Trunnions (127B). Insert those two Bolts through the holes in the Table Bracket (132B) as shown above. Secure the Bolts in place using Knobs (131B).

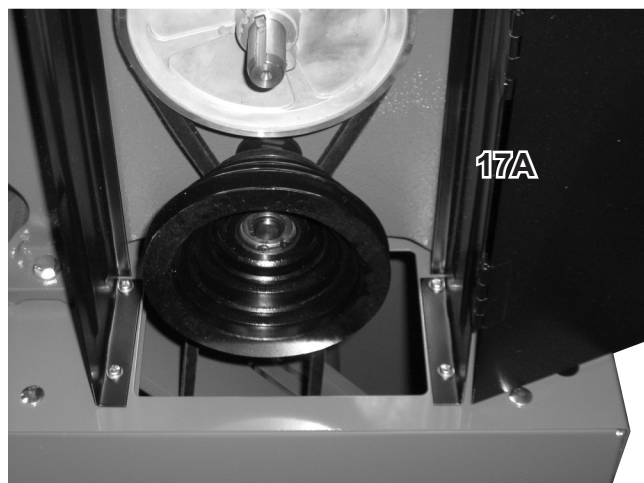


## PHASE 6: Pulley Cover Assembly and Belt Installation



Required Hardware		
Letter	Description	Qty (for this phase)
F	M6 x 12 Bolt	1
G	M5 x 15 Pan Head Bolt	4
L	M6 Washer	1
M	M5 Washer	8
N	M5 Nut	4
P	Pulley Cover Knob	1

FIGURE FOR STEP 6-1



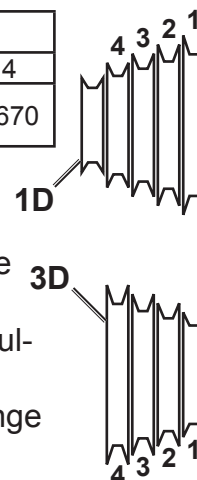
1. Set the Pulley Cover (17A) over the Pulley (86B) as shown above, with the door opening to the outside. Insert a Pan Head Bolt (G) through a Washer (M) and into each of the four holes. Secure the Bolts from underneath using one Washer (M) and Nut (N) each.
2. Secure the Pulley Cover Knob (P) to the door using Bolt (F) and Washer (L) from the other side. **Do not overtighten.**
3. Close the Pulley Cover door temporarily to make sure it closes completely and securely.

## Belt Installation

4. Slide the Motor up towards the top of its rail to allow easy belt installation.

FIGURE FOR STEP 6-6

Pulley Speed Settings				
Position	1	2	3	4
Output FPM	600	1140	1670	2670



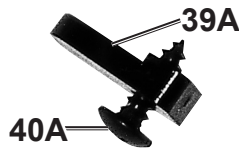
**Note:** The unnumbered inner-most position on the Middle Pulley (1D) should ONLY be used to drive the Belt Pulley (86B, not shown), and should not be used to change speeds.

5. Using the chart above, choose which speed you would like the blade to operate at initially. Slide the V-Belt (5D) onto the desired Motor Pulley (3D) position. Then slide the Belt up over the Middle Pulley (1D) in the same position.
6. To set the V-Belt (5D) tension, have an assistant pull down on the Motor (11A) and hold it in place to put tension on the Belt. Then test the belt's tension by gently pushing in on it in between pulleys. If it only deflects about 1/2" to 3/4" from straight, then the belt is properly tensioned at that motor position. While the assistant holds the motor at that position, secure the motor in place with the previously loosened Bolts (D) and Nuts (K).
7. After tightening, verify that both pulleys are still aligned.



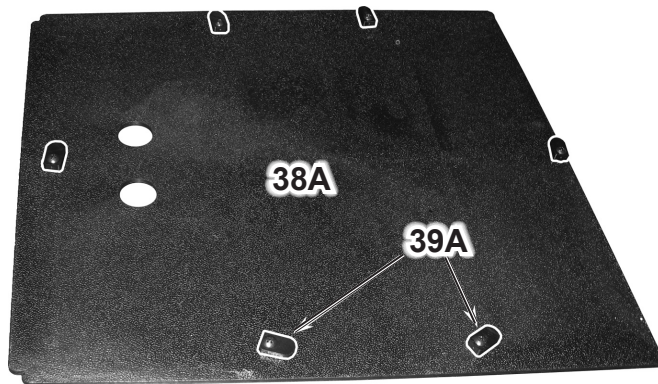
## Side Panel Installation

**FIGURE FOR STEP 6-9**



8. Insert the Screws (40A) into the Relief Stops (39A) **from the smooth side** as shown above.

**FIGURE FOR STEP 6-10**



9. Attach the Relief Stops (39A) to the textured side of the Side Panel (38A) by screwing the Screws (40A) into the mounting holes on the Side Panel. Leave the Screws just loose enough to allow the Relief Stops to turn. Do not overtighten - use a screwdriver when tightening.
10. Position the Relief Stops (39A) so that the Stops (39A) point towards the center of the Side Panel (38A).

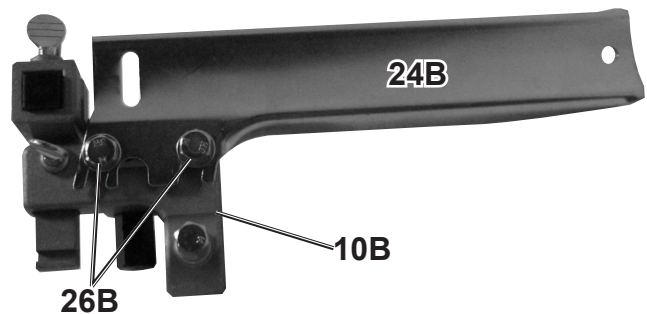
**FIGURE FOR STEP 6-9**



11. While holding the Side Panel (38A) by the two finger holes, place it inside the side of the Stand as shown above. Rotate the Relief Stops (39A) out and tighten the Screws (40A) to secure the Side Panel in place. Repeat for the other Side Panel.

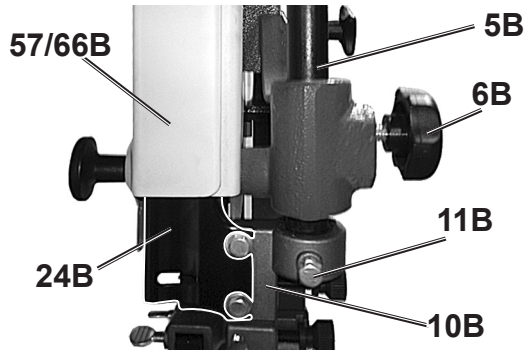
## PHASE 7: Upper Guide and Post Cover Assembly

**FIGURE FOR STEP 7-1**



1. Assemble the Upper Blade Guard (24B) to the Upper Support Bracket Post (10B) as shown above using the two Hex Head Bolts (26B) and Flat Washers (25B).

**FIGURE FOR STEP 7-2**



2. Loosen the Hex Head Bolt (11B) on the side of the Upper Support Bracket Post (10B). Slide the Upper Blade Guard (24B) up into the Upper Covers (57B/66B) and then the Upper Support Bracket Post (10B) onto the end of the Guide Post (5B). Align the Upper Support Bracket Post (10B) and tighten the Bolt (11B) to secure it.

## **PHASE 8: Saw Blade Installation**

### **⚠ CAUTION**

**TO PREVENT INJURY FROM SHARP BLADE:**



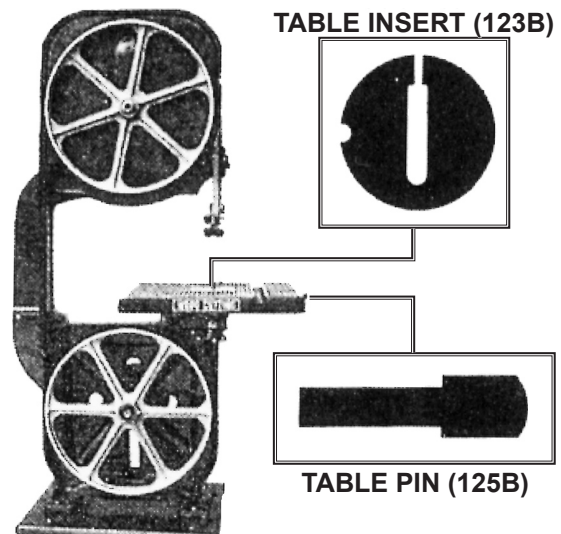
Wear heavy duty work gloves and ANSI-approved safety goggles during assembly, especially when handling blade.

**FIGURE FOR STEP 8-1**



1. Fully open the Upper Front Cover (66B) and the Lower Front Cover (94B) .

**FIGURE FOR STEP 8-2**



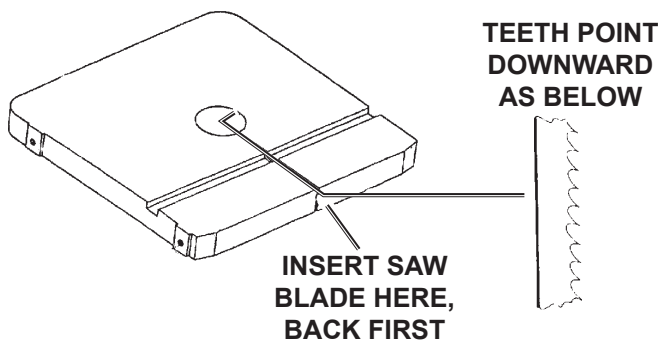
2. Remove the Table Insert (123B) and Table Pin (125B).

FIGURE FOR STEP 8-3



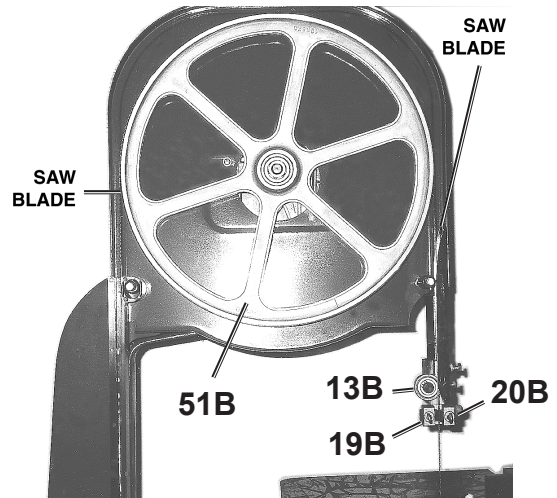
3. Turn the Micro Adjusting Knob (42B) counterclockwise 5-10 full turns.

FIGURE FOR STEP 8-4



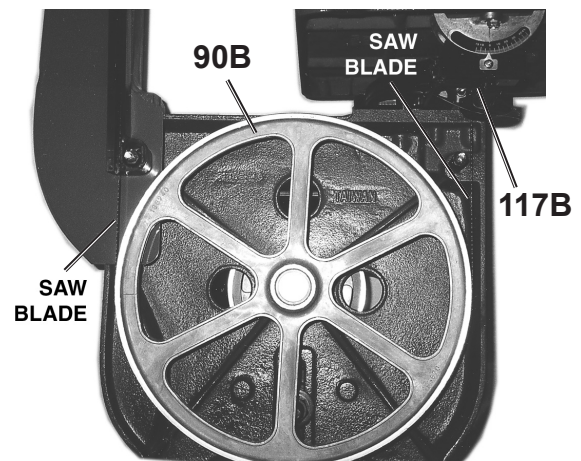
4. With both hands, hold the Saw Blade with its **teeth pointing downward** and away from your body. Then, insert the Saw Blade (56B) back side first through the slot in the Table (122B).

FIGURE FOR STEP 8-5



5. Position the Saw Blade (56B) through the Upper Blade Guides (19B) and over the Upper Pulley (51B).

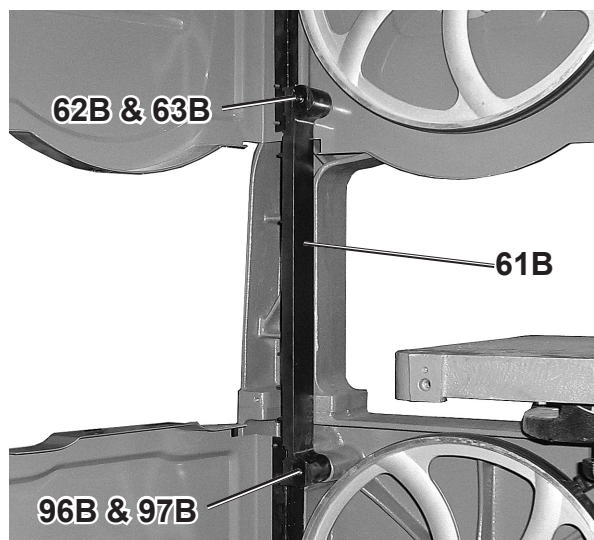
FIGURE FOR STEP 8-6



6. Place the Saw Blade (56B) on the Lower Pulley (90B) and through the Lower Blade Guides (117B).
7. Replace the Table Insert (123B) and Table Pin (125B).

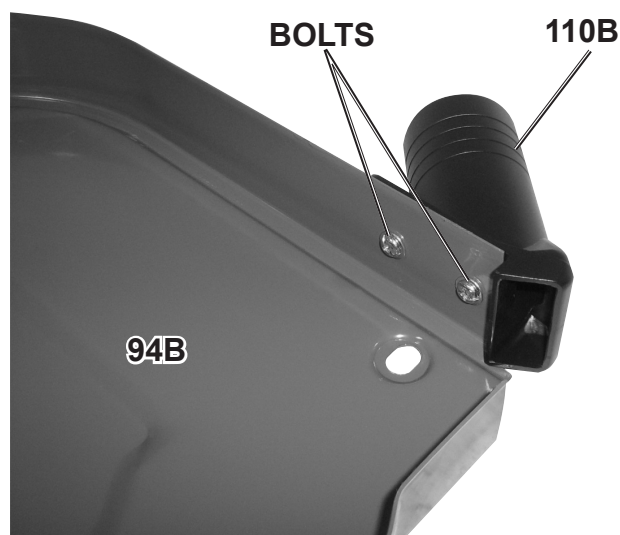


**FIGURE FOR STEP 8-8**



8. Place the Saw Blade Guard (61B) onto the two Studs (60B/95B) and over the Saw Blade (56B). Secure in place using the two Gaskets (62B/96B) and Tapping Screws (63B/97B).

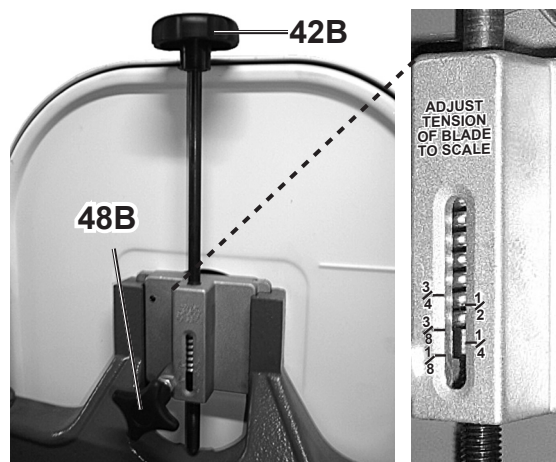
**FIGURE FOR STEP 8-9**



9. **Dust Chute Setup (Optional)**  
If you will attach a dust collector to this bandsaw, attach the Dust Chute (110B) to the Lower Front Cover (94B) using the Bolts (111B) as shown above.

## **Saw Blade Tensioning and Tracking**

**FIGURE FOR STEPS 8-10 TO 8-13**



10. The Saw Blade (56B) tension is adjusted using the Micro Adjusting Knob (42B) on the back of the Upper Back Cover (57B). Turn the Knob clockwise to increase tension and counterclockwise to decrease tension.
11. There is a scale on the Blade Tension Slider (41B), shown above. Turn the Micro Adjusting Knob (42B) clockwise until the top of the Nut (44B) aligns with the scale marking that corresponds with the width of the blade. For example, the included blade is 3/8" wide, so you would adjust the blade until the top of the Nut aligns with the 3/8 marking on the scale for that blade.

**Note:** Too much tension is a common cause of Saw Blade breakage and other unsatisfactory performance. Relieve the tension when the Bandsaw is not in use.

12. Adjust the Upper and Lower Guide Supports (19B, 117B) so that they do not contact the blade during tracking adjustment.
13. Loosen the Nut (47B) on the shaft of the Blade Tracking Knob (48B).

14. **WARNING! To prevent serious injury; adjust blade tracking only with the unit off and power cord unplugged.**

Slowly turn the Upper and Lower Pulleys (51B, 90B) clockwise by hand and watch the Saw Blade to see whether it travels in the *center* of the Upper Pulley or not. If not, adjust the tracking as follows:

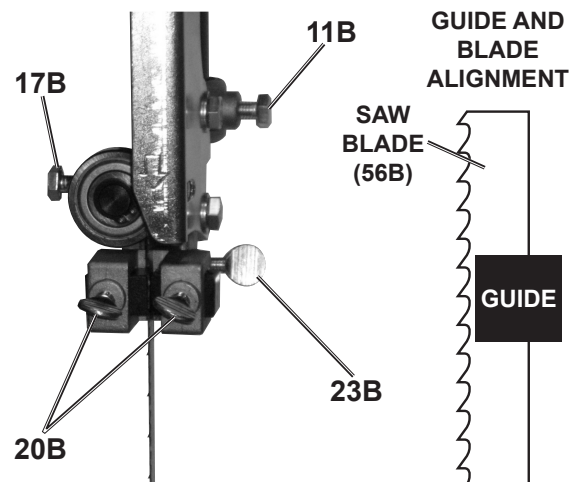
- If the Saw Blade begins to creep toward the front edge of the Upper Pulley (51B), turn the Blade Tracking Knob (48B) clockwise 1/4 turn to draw the Saw Blade toward the back of the Upper Pulley.
- If the Saw Blade begins to creep toward the back edge of the Upper Pulley (51B), turn the Blade Tracking Knob (48B) counterclockwise 1/4 turn to draw the Saw Blade toward the front of the Upper Pulley.

15. If any tracking adjustments were made, repeat step 14 until the Blade stays centered on the Upper Pulley for at least 5 turns or so.
16. Tighten the Nut (47B) on the Shaft of the Blade Tracking Knob (48B) after adjustment.

## **Guide and Bearing Adjustment**

17. Only adjust guides and bearings after blade tension and tracking is properly adjusted.

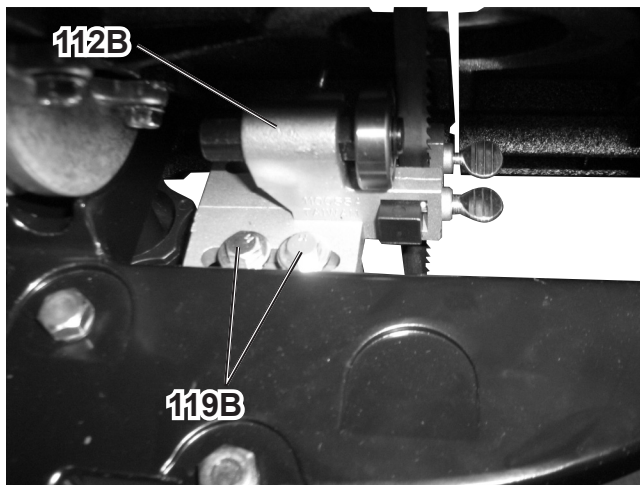
**FIGURE FOR STEPS 8-18 TO 8-21**



18. Loosen the Hex Head Bolt (11B) and make sure that the Upper Support Bracket Post (10B) itself is aligned with the Saw Blade (56B).
19. Loosen the Thumb Bolt (23B) on the side of the Upper Support Bracket Post (10B) and adjust the Upper Blade Guides' (19B) positions so that they line up with the flat portion of the Saw Blade (56B) without reaching the cutting edge; see Guide and Blade Alignment, above right. Tighten the Thumb Bolt after adjustment.
20. Loosen the two Thumb Screws (20B) and move the Upper Blade Guides (19B) as close as possible to the side of the Saw Blade without touching it. Then, tighten the Thumb Screws.
21. Loosen the Thumb Screw (17B) and adjust the Bearing (13B) to 1/64" (0.4mm) behind the Saw Blade. Then, tighten the Thumb Screws.

22. Loosen the two Knobs (131B) under the Table (122B) and pivot the Table forward as far as possible.

**FIGURE FOR STEP 8-23**



23. Loosen the two Hex Head Bolts (119B) on the side of the Lower Support Bracket (112B) and adjust the Lower Blade Guides' (117B) positions so that they line up with the flat portion of the Saw Blade (56B) without reaching the cutting edge; see Guide and Blade Alignment diagram above step 18. Tighten the Bolts (119B) after adjustment.
24. Pivot the Table (122B) backward as far as possible.

**FIGURE FOR STEPS 8-25 TO 8-26**



25. Loosen the two blade guide adjustment Thumb Bolts (118B) and move the Lower Blade Guides (117B) as close as possible to the side of the Saw Blade without touching it. Then, tighten the Thumb Bolts.
26. Loosen the bearing adjustment Thumb Bolt (116B) and adjust the Bearing (114B) to 1/64" (0.4mm) behind the Saw Blade. Then, tighten the Thumb Bolt.
27. Return the Table (122B) to its normal position and secure with the Knobs (131B)



## SETTINGS

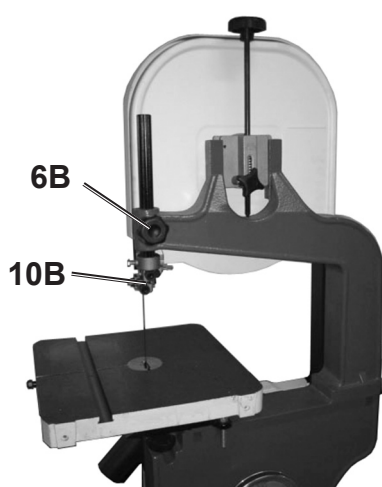
**⚠ WARNING** TO PREVENT  
SERIOUS INJURY



FROM ACCIDENTAL  
OPERATION:

Turn the Power Switch of the  
tool to its "OFF" position and  
unplug the tool from its  
electrical outlet before making  
any adjustments to the tool.

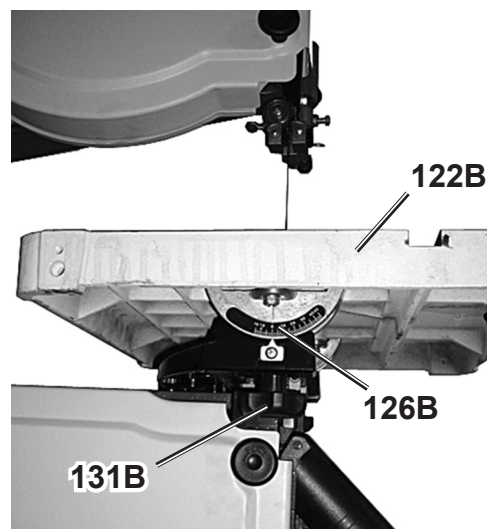
### Blade Guide Adjustment



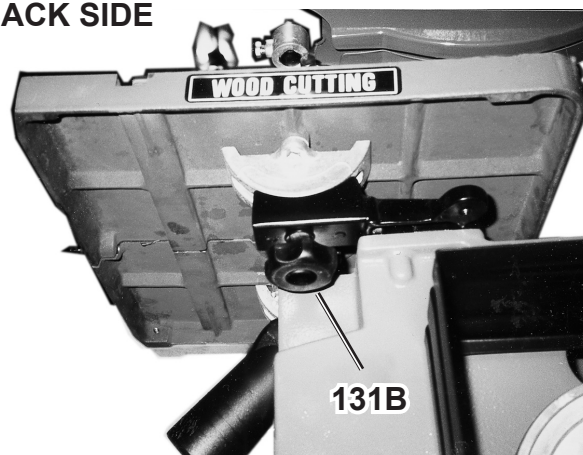
1. Loosen the Knob (6B) and set the Upper Support Bracket Post (10B) as close as possible to the top surface of the material being cut.
2. Then, securely tighten the Knob (6B).

### Table Angle Adjustment

#### FRONT SIDE



#### BACK SIDE



1. Loosen the two Knobs (131B) underneath the Table (122B).
2. Tilt the Table (122B) to the left or right until the Needle points to the desired angle on the Scale (126B). Then, securely tighten both Knobs (131B).

## Blade Speed Adjustment

### **⚠ WARNING**

**TO PREVENT  
SERIOUS INJURY**



**FROM ACCIDENTAL  
OPERATION:**

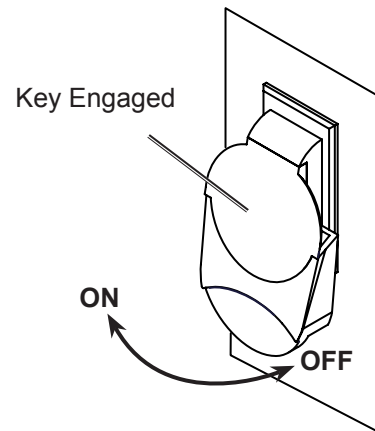
**Turn the Power Switch of the tool to its “OFF” position and unplug the tool from its electrical outlet before making any adjustments to the tool.**

1. Remove the Side Panel (38A) and open the Pulley Cover (17A) to allow access.
2. Use the **Belt Installation** instructions on page 16 to change the Belt's position to the desired speed setting.
3. Replace the Side Panel and close the Pulley Case after changing the speed setting.

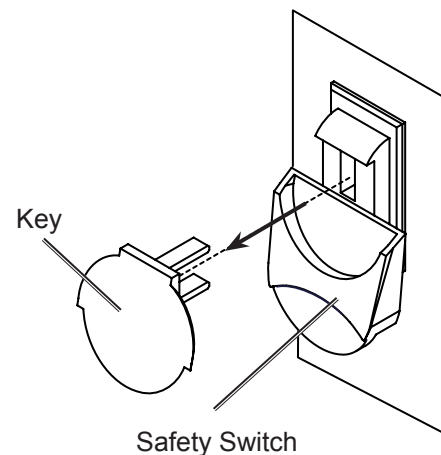
## ON/OFF Safety Switch:

To avoid accidental starting by young children or others not qualified to use the tool, the use of a Safety Switch is required.

The Safety Switch has a removable Key which must be inserted to use the Switch.



1. To power the bandsaw, insert the Key into the opening in the Switch and pull the switch up.
2. To turn off power to the bandsaw, push the switch down.




3. When not in use, remove the Key and store in a safe place out of reach of children.

---

## OPERATION

---

1. Before starting the Bandsaw make sure all adjustments are properly made and all of the guards are in place.
2. Make sure you know how to turn the bandsaw off before beginning. To turn the bandsaw off, push the Switch down.
3. **Before turning on the power**, make sure that nothing is obstructing the blade.
4. Keep the Upper Support Bracket Post (10B) down as close to the material being cut as possible.
5. To turn on the Bandsaw, insert the Key, then pull the Switch up. Push it down to stop. When turning on the Bandsaw, allow the machine to reach its full speed before cutting the material.
6.  **WARNING: TO PREVENT SERIOUS INJURY AND AMPUTATION:**  
**Keep hands out of cut line of blade at all times.**
7. **Do not force the material into the Saw Blade.** Light contact with the Saw Blade will permit easier following of the line and prevent undue friction, heating and work-hardening of the Saw Blade at its back edge.
8. Keep the Saw Blade sharp for easier forward pressure when cutting.
9. Move the material slowly and steadily against the Saw Blade.
10. Avoid twisting the Saw Blade when attempting to turn sharp corners. Remember to saw around corners.
11. When cutting curves, turn the material carefully so that the Saw Blade can follow the line without being twisted.
12. If a curve is so abrupt that it is necessary to repeatedly back up and cut a new kerf, a more narrow Saw Blade should be used.
13. After use, turn off bandsaw, remove switch key, unplug the power cord and allow the bandsaw to cool.
14. **CAUTION: TO PREVENT FIRE:**  
**Do not allow sawdust to accumulate inside the bandsaw.**  
After every use, when the bandsaw is cool, clean out the sawdust:
  - a. Wear heavy-duty gloves, ANSI-approved safety goggles and NIOSH-approved dust mask/respirator.
  - b. Open the Lower Front Cover (94B).
  - c. Clean the sawdust out with a brush or vacuum.
  - d. Close the Lower Front Cover.
  - e. A dust collector may reduce the need for this cleaning if used.

---

## MAINTENANCE AND SERVICING

---

### **WARNING**

**TO PREVENT  
SERIOUS INJURY**



**FROM ACCIDENTAL  
OPERATION:**

Turn the Power Switch of the tool to its “OFF” position and unplug the tool from its electrical outlet before making any adjustments to the tool.

**TO PREVENT SERIOUS INJURY  
FROM TOOL FAILURE:**

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

---

### **Cleaning, Maintenance, and Lubrication**

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **Do not introduce water into the electric motor through the motor vents.**
3. **Do not use solvents to wipe off the Bandsaw, as damage may result.**
4. With a brush or soft cloth, remove all the sawdust from the Bandsaw.
5. If necessary, wipe with a damp cloth. You may use a mild detergent.
6. Once clean, lubricate all moving parts with a light oil.
7. When storing, keep the Bandsaw covered with a cloth cover.

---

## **Troubleshooting**

1. **Motor will not start:**
  - a. Band Saw is not plugged in.
  - b. Household circuit has blown fuse or open circuit breaker.
  - c. Power cord is damaged. Replace.
  - d. Switch is not in “on” position.
  - e. Motor requires service.
2. **Band Saw blade does not move although motor is running:**
  - a. Blade tension knob is not tight. Turn motor off. Adjust tension. Restart band saw.
  - b. Blade has slipped off pulley wheel. Open cover housing and check.
  - c. Blade is broken. Replace blade.
3. **Blade will not cut or cuts slowly:**
  - a. Teeth have been dulled by contact with hardened steel or long usage. Replace blade.
  - b. Use higher speed setting.
  - c. Blade mounted backwards.
4. **Sawdust in motor housing:**
  - a. Use vacuum cleaner nozzle on air intake and exhaust grills.
  - b. Keep workplace cleaner. Clean up excess sawdust frequently.
5. **Unable to get blade to track in driver of wheel:**
  - a. Back bearing not properly adjusted.
  - b. Tension Wheel not properly adjusted.
  - c. Bad blade. Replace blade.

## **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Note:** Some parts are listed and shown on the following pages for illustration purposes only, and are not available individually as replacement parts.

## ASSEMBLY DIAGRAMS AND PARTS LISTS

### Parts List A - Stand

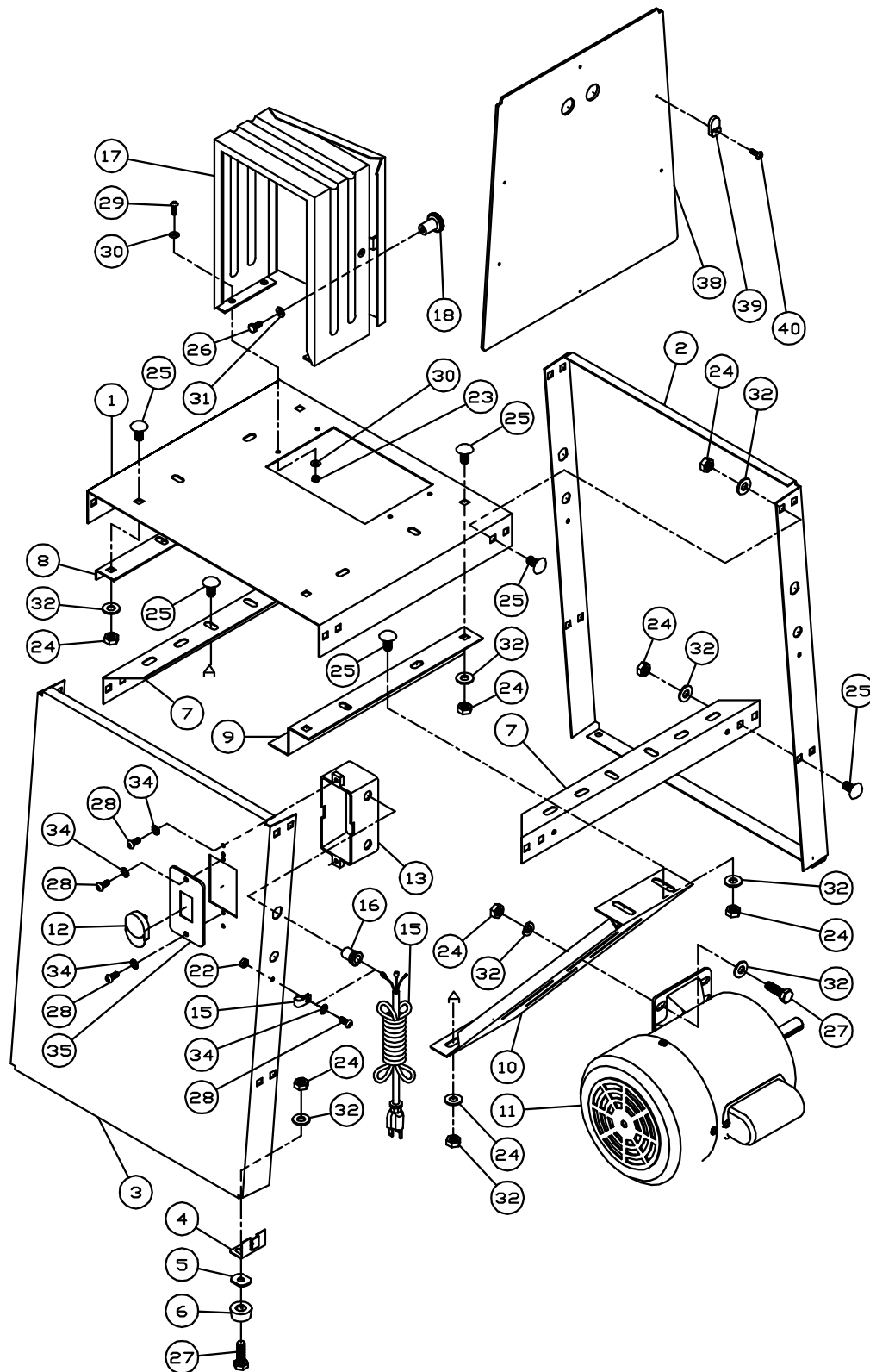
Part	Description	Size	Qty
1A	Mounting Plate		1
2A	Rear Panel		1
3A	Front Panel		1
4A	Foot Bracket		4
5A	Washer Nut		4
6A	Foot Pad		4
7A	Horizontal Brace		2
8A	Brace		1
9A	Motor Plate Bracket		1
10A	Motor Plate		1
11A	Motor		1
12A	Switch		1
13A	Switch Cover		1
14A	Power Cord		1
15A	Strain Relief		1
17A	Pulley Cover		1
18A	Pulley Cover Knob		1

Part	Description	Size	Qty
22A	Nut	3/16" x 24	3
23A	Nut	M5	4
24A	Nut	M8	32
25A	Carriage Bolt	M8 x 16	24
26A	Hex Head Bolt	M6 x 12	1
27A	Hex Head Bolt	M8 x 25	8
28A	Pan Head Bolt	3/16" x 1/2"	7
29A	Pan Head Bolt	M5 x 12	4
30A	Flat Washer	M5 x Ø10	8
31A	Flat Washer	M6 x Ø16	1
32A	Flat Washer	M8 x Ø18	36
33A	Lock Washer	M8	4
34A	Star Washer	M5	7
35A	Switch Plate		1
38A	Side Panel		2
39A	Relief Stop		12
40A	ST Screw	M3.5 x 12	12



## Assembly Diagram A - Stand

**Note:** When ordering parts from Assembly Diagram A, include the suffix "A" after the part number.



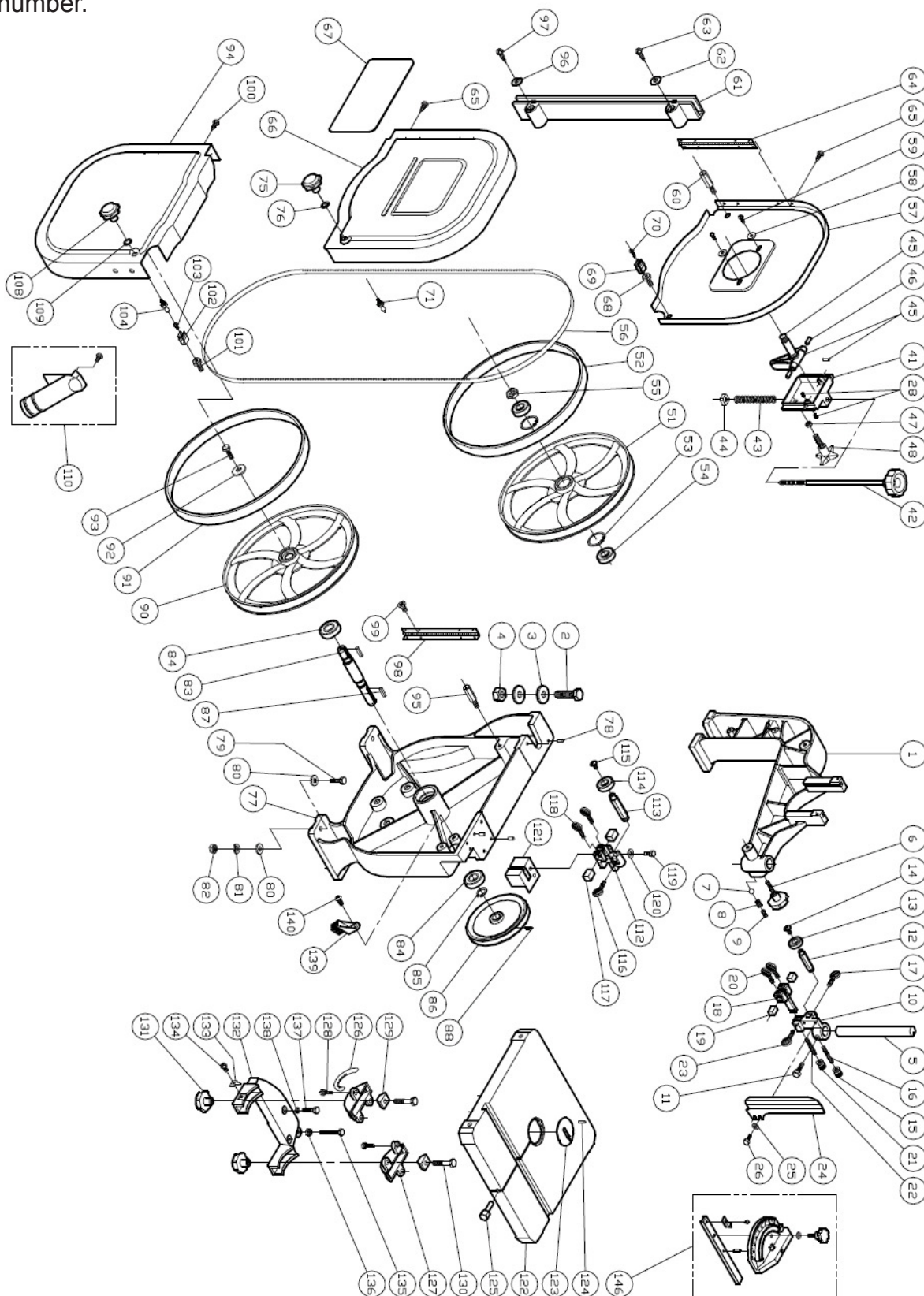
## Parts List B - Saw Body

Part	Description	Size	Qty
1B	Upper Frame Arm		1
2B	Hex Head Bolt	M16 x 55	1
3B	Flat Washer	M16 x Ø40	2
4B	Nut	M16	1
5B	Guide Post		1
6B	Knob	M10 x 30	1
7B	Steel Ball		1
8B	Spring		1
9B	Set Screw	M10 x 10	1
10B	Upper Support Bracket Post		1
11B	Hex Head Bolt	M6 x 16	1
12B	Spacing Sleeve		1
13B	Bearing	6200ZZ	1
14B	Pan Head Bolt w/Flange	M6 x 12	1
15B	Micro Adjusting Nut		1
16B	Set Screw	M8 x 1.0 x 40	1
17B	Thumb Screw	M6 x 16	1
18B	Support Bracket		1
19B	Upper Blade Guide		2
20B	Thumb Screw	M6 x 12	2
21B	Micro Adjusting Nut		1
22B	Set Screw	M8 x 1.0 x 40	1
23B	Thumb Bolt	M6 x 16	1
24B	Upper Blade Guard		1
25B	Flat Washer	M6 x Ø13	2
26B	Hex Head Bolt	M6 x 10	2
28B	Set Screw	M5 x P0.8 x 8L	2
41B	Blade Tension Slider		1
42B	Micro Adjusting Knob		1
43B	Coil Spring		1
44B	Square Nut	M10	1
45B	Upper Wheel Hinge (ASM)		1
46B	Steel Pin		2
47B	Nut	M8	1
48B	Blade Tracking Knob	M8 x 45	1
51B	Upper Pulley		1
52B	Wheel Cover		1
53B	Ring Retainer	R35	2
54B	Ball Bearing	6202ZZ	2
55B	Nut	M12 x P1.25	1
56B	Saw Blade	6PTI 93-1/2" x 0.019" x 3/8"	1
57B	Upper Back Cover		1
58B	Flat Washer	M5 x Ø12	2
59B	Pan Head Bolt	M5 x 6	2
60B	Stud		1
61B	Saw Blade Guard		1
62B	Gasket		1
63B	Tapping Screw	M3.5 x 16 (AB)	1
64B	Upper Hinge		1
65B	Tapping Screw	M4 x 8	8
66B	Upper Front Cover		1
67B	Machine Label		1
68B	Hex Head Bolt		1
69B	Catch		1
70B	Pan Head Bolt	M5 x 12	1
71B	Clip		1
75B	Knob	M8	1
76B	Star Washer (Internal)	M8	1
77B	Base		1

Part	Description	Size	Qty
78B	Pin		4
79B	Hex Head Bolt	M8 x 40	4
80B	Flat Washer	M8 x Ø18	8
81B	Spring Washer	M8	4
82B	Nut	M8	4
83B	Lower Wheel Shaft		1
84B	Ball Bearing	6204Z	2
85B	Ring Retainer	S20	1
86B	Pulley		1
87B	Key	M5 x 5 x 20	2
88B	Set Screw	M6 x 10	1
90B	Lower Pulley		1
91B	Wheel Cover		1
92B	Flat Washer	M8 x Ø30	1
93B	Hex Head Bolt	M8 x 20 (L.H.)	1
94B	Lower Front Cover		1
95B	Stud		1
96B	Gasket		1
97B	Tapping Screw	M3.5 x 16 (AB)	1
98B	Lower Hinge		1
99B	Countersunk Head Bolt	M5 x 10	4
100B	Tapping Screw	M4 x 8	4
101B	Locating Bolt		1
102B	Catch		1
103B	Pan Head Bolt	M5 x 12	1
104B	Clip		1
108B	Knob	M8	1
109B	Star Washer (Internal)	M8	1
110B	Dust Chute (ASM)		1
111B	Bolt		1
112B	Lower Support Bracket		1
113B	Spacing Sleeve		1
114B	Bearing	6200ZZ	1
115B	Pan Head Bolt w/Flange	M6 x 8	1
116B	Thumb Bolt	M6 x 12	1
117B	Lower Blade Guide		2
118B	Thumb Bolt	M6 x 12	2
119B	Hex Head Bolt	M6 x 20	2
120B	Flat Washer	M6 x Ø16	2
121B	Lower Blade Guard		1
122B	Table		1
123B	Table Insert	ALU	1
124B	Spring Pin	Ø3 x 8	1
125B	Table Pin		1
126B	Scale		1
127B	Trunnion		2
128B	Hex Head Bolt w/Flange	M6 x 12	6
129B	Trunnion Clamp Shoe		2
130B	Hex Head Bolt	M10 x 50	2
131B	Knob	M10	2
132B	Table Bracket		1
133B	Pointer		1
134B	Pan Head Bolt	M5 x 6	1
135B	Hex Head Bolt	M8 x 80	1
136B	Nut	M8	1
137B	Hex Head Bolt	M8 x 30	2
138B	Spring Washer	M8	2
139B	Brush Wheel		1
140B	Pan Head Bolt	M5 x 12	1
146B	Miter Gauge Set		1

## Assembly Diagram B - Saw Body

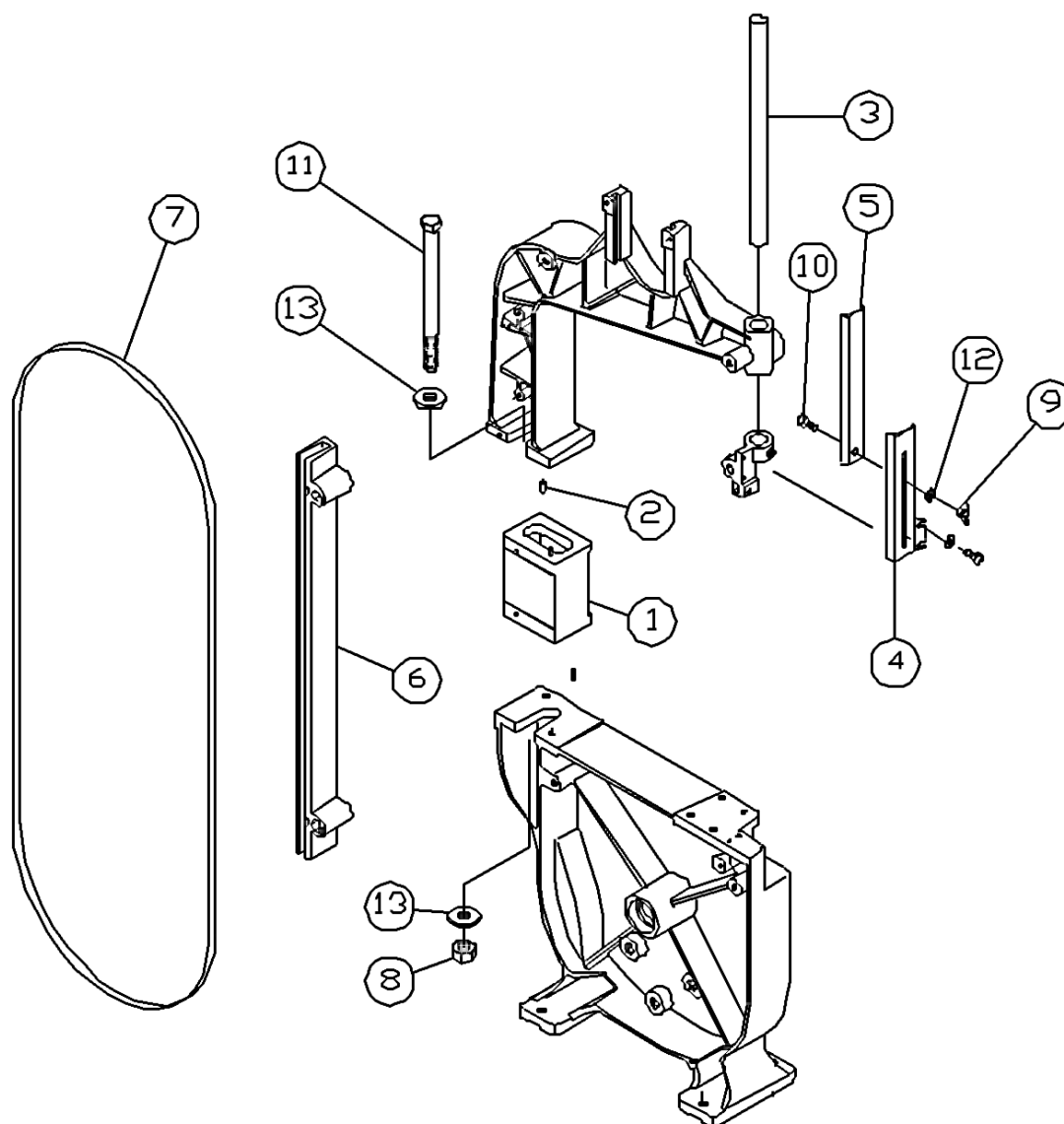
**Note:** When ordering parts from Assembly Diagram B, include the suffix "B" after the part number.



## Parts List C - Riser Block Kit (Sold Separately)

Part	Description	Size	Qty
1C	Riser Block		1
2C	Pin		2
3C	Guide Post		1
4C	Upper Wheel Blade Guard (U)		1
5C	Upper Wheel Blade Guard (L)		1
6C	Blade Guard		1

Part	Description	Size	Qty
7C	Saw Blade	105" x 0.019" x 3/8"	1
8C	Nut		1
9C	Wing Nut	M8	1
10C	Carriage Bolt	M8 x 16	1
11C	Hex Head Bolt		1
12C	Flat Washer		1
13C	Flat Washer		2

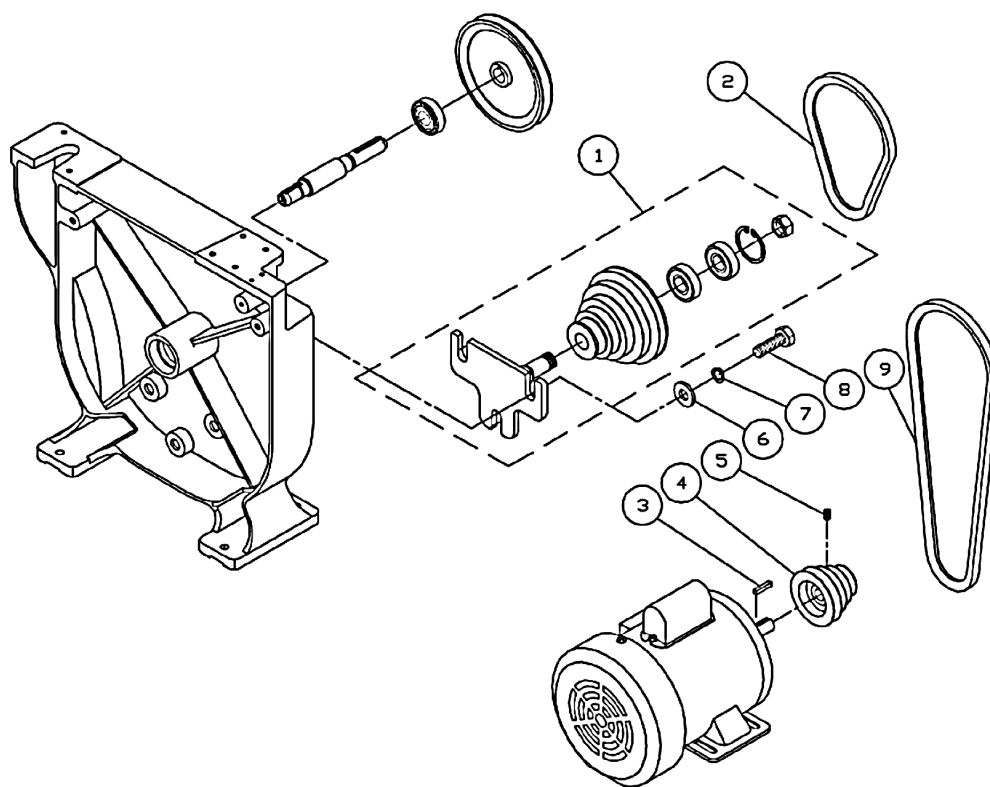


**Note:** Check with the Harbor Freight Parts Department for availability. When ordering parts from Assembly Diagram C, include the suffix "C" after the part number.

## Assembly Diagram and Parts List D - Four Speed Pulleys

Part	Description	Size	Qty
1D	Middle Pulley (ASM)		1
2D	V-Belt	A22	1
3D	Key	5 x 5 x 40	1
4D	Motor Pulley		1
5D	Set Screw	M6 x 10	1

Part	Description	Size	Qty
6D	Flat Washer	M8 x Ø18	3
7D	Spring Washer	M8	3
8D	Hex Head Bolt	M8 x 25	3
9D	V-Belt	A42	1



**Note:** When ordering parts from Assembly Diagram D, include the suffix “D” after the part number.



---

## LIMITED 1 YEAR / 90 DAY WARRANTY

---

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that for a period of ninety days from date of purchase that the engine/motor, the belts (if so equipped), and the blades (if so equipped) are free of defects in materials and workmanship. Harbor Freight Tools also warrants to the original purchaser, for a period of one year from date of purchase, that all other parts and components of the product are free from defects in materials and workmanship (90 days if used by a professional contractor or if used as rental equipment). This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353**